

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name, I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention SEMICONDUCTOR-AIR GAP GRATING FABRICATION USING A SACRIFICIAL LAYER PROCESS

XX is attached hereto
_____ was filed on _____ as
Application Serial No. _____ and was
amended on _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

| Prior Foreign Application(s) | | | <u>Priority Claimed</u> | |
|------------------------------|-----------------------------|-----------------------------|-------------------------|-------------------|
| <u>NONE</u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| (Number) | (Country) | (Day/Mo./Yr. Filed) | Yes | No |

This Declaration is being filed for the
attached patent application entitled "Process
for Fabricating a Semiconductor Diffraction
Grating Using a Sacrificial Layer,"
filed September 3, 2003.

Docket No. 11-0983

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| <u>NONE</u> (Number) | <u> </u> (Country) | <u> </u> (Mo./Day/Yr. Filed) | <u> </u> (Status) |
|-------------------------|--|--|---|
|-------------------------|--|--|---|

I hereby appoint as principal attorneys:

Noel F. Heal, Reg. No. 26,074
Robert W. Keller, Reg. No. 25,347
Connie M. Thousand, Reg. No. 43,191
G. Gregory Schivley, Reg. No. 27,382

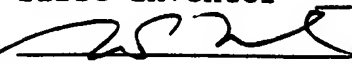
each with full power to prosecute this application, to transact all business in the United States Patent and Trademark Office connected therewith, and to appoint and revoke associate and substitute associate attorneys.

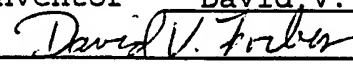
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Address all telephone calls to: (310) 812-4910

Address all correspondence to: PATENT COUNSEL
TRW Inc.
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Docket No. 11-0983

Full name of sole or first inventor Michael P. Nesnidal
Inventor's signature  Date: 10/25/01
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Inventor's signature  Date: 10/25/2001
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Citizenship United States
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/210,799
Filing Date: August 1, 2002
Applicant: Michael P. Nesnidal et al.
Group Art Unit: 2812
Examiner:
Title: SEMICONDUCTOR-AIR GAP GRATING FABRICATION
USING A SACRIFICIAL LAYER PROCESS
Attorney Docket: NGC-00087 (11-0983)

Commissioner for Patents
P.O. 1450
Alexandria, VA 22313-1450

**REVOCATION AND SUBSTITUTION OF POWERS OF ATTORNEY,
CHANGE OF CORRESPONDENCE ADDRESS AND
CHANGE OF DOCKET NUMBER**

Sir:

I am a Principal Attorney of Record in the above-identified patent application and have full power of substitution and revocation. Please revoke all previous powers of attorney for all previous attorneys or agents in this application, and substitute power of attorney therefor to Connie M. Thousand, Reg. No. 43,191, Terry J. Anderson, Reg. No. 24,271 and John A. Miller, Reg. No. 34,985, and each employee and attorney of Warn, Burgess & Hoffmann, P.C. who is a registered patent attorney.

Serial No. 10/210,799

Docket No. NGC-00087 (11-0983)

Please change the correspondence address and send all correspondence to:

John A. Miller, Esq.

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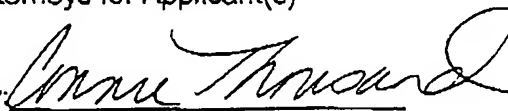
Please change the attorney docket number in the above-referenced patent application to: NGC-00087 (11-0983).

I hereby certify that I have the authority of the assignee of record to revoke the power of attorney, change the correspondence address and change the docket number for the above-referenced application.

Please direct all further communications to the above address.

Respectfully submitted,

NORTHROP GRUMMAN CORPORATION
Attorneys for Applicant(s)

By: 

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Dated: 6/9/03